

# **INFECTIOUS DISEASES RESIDENT CURRICULUM**

## **I. Introduction**

Residents and medical students rotating with the Infectious Diseases Service will be exposed to infections seen at a mid-sized community hospital. The teaching will be primarily patient-based and augmented by didactic lectures on selected infectious disease topics. The rotators are expected to be available for in-patient and out-patient clinics.

## **II. Education Experience**

1. New Infectious Disease Consults. The Infectious Diseases Service receives consults from Internal Medicine, Family Practice, General Surgery, Orthopedics, other Surgical subspecialists, Obstetrics and Gynecology, and, on occasion, from Pediatrics. Rotators will review the patient's charts, then interview and examine the patient. The evaluation will emphasize aspects pertinent to an Infectious Disease evaluation, to include:

- a. Complete medical review.
- b. Exposure history.
- b. Microbiology laboratory results.
- c. Prior antimicrobial therapy.

2. Inpatient Infectious Disease Follow-up. The Infectious Disease Service follows patients until specific problems are resolved. Follow-up may be prolonged as for the infections endocarditis or osteomyelitis. Emphasis will be on several aspects of care including:

- a. Microbiology culture and susceptibility testing results.
- b. Drug levels
- c. Serology and other laboratory results.

3. Infectious Disease Clinic. There is an increasing emphasis in training for outpatient care of patients. Rotators will see patients in a Travel Medicine Clinic, a General Infectious Disease Clinic, and Public Health Clinic for PPD reactors.

4. Microbiology Laboratory Rounds. The Infectious Diseases Service works closely with the Microbiology laboratory. Microbiology sessions will include:

- a. Basic bacteriology, including bacterial culture collection, inoculation, and identification of bacteria.
- b. Antibiotic susceptibility testing, including automated testing and disk diffusion testing.
- c. Mycology and Mycobacteriology, isolation identification.
- d. Serologic Testing

5. UC-Davis Infectious Disease Conference. Attendance at the weekly ID conference at UC-Davis will be strongly suggested. The times varies, so it will be worked into the schedule as possible.

6. Core Curriculum. Information for reading will be provided in several forms. First, several review books will be made available to the rotators. Next journal articles will be available from a core file. Finally, rotators will be encouraged to perform MEDLINE searches on the infections affecting their patients. The topics that may be covered during case discussions and in didactic lectures include:

- (1) Antibiotics (IV and PO)
- (2) Microbiology Laboratory Support
- (3) Sepsis and Septic Shock
- (4) Sepsis in Neutropenic Hosts
- (5) Immunodeficiency States
- (6) Meningitis
- (7) Endocarditis
- (8) Pneumonia and Empyema
- (9) SBP and Peritonitis
- (10) Urinary Tract Infections
- (11) Cellulitis
- (12) Necrotizing Fasciitis and Crepitant Cellulitis
- (13) Osteomyelitis and Septic Arthritis
- (14) Sexually Transmitted Diseases
- (15) Lyme Disease
- (16) AIDS and Related Opportunistic Infections
- (17) Viral Diseases
- (18) Disease in Travelers
- (19) Fungal Infections
- (20) Mycobacterial Diseases
- (21) Mycoplasma and Chlamydia
- (22) Rickettsia
- (23) Nosocomial Infections
- (24) Infectious Diarrhea
- (25) Infectious Associated with Animals
- (26) Parasitic Infections
- (27) Infection Control Issues

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